

Fig. 1

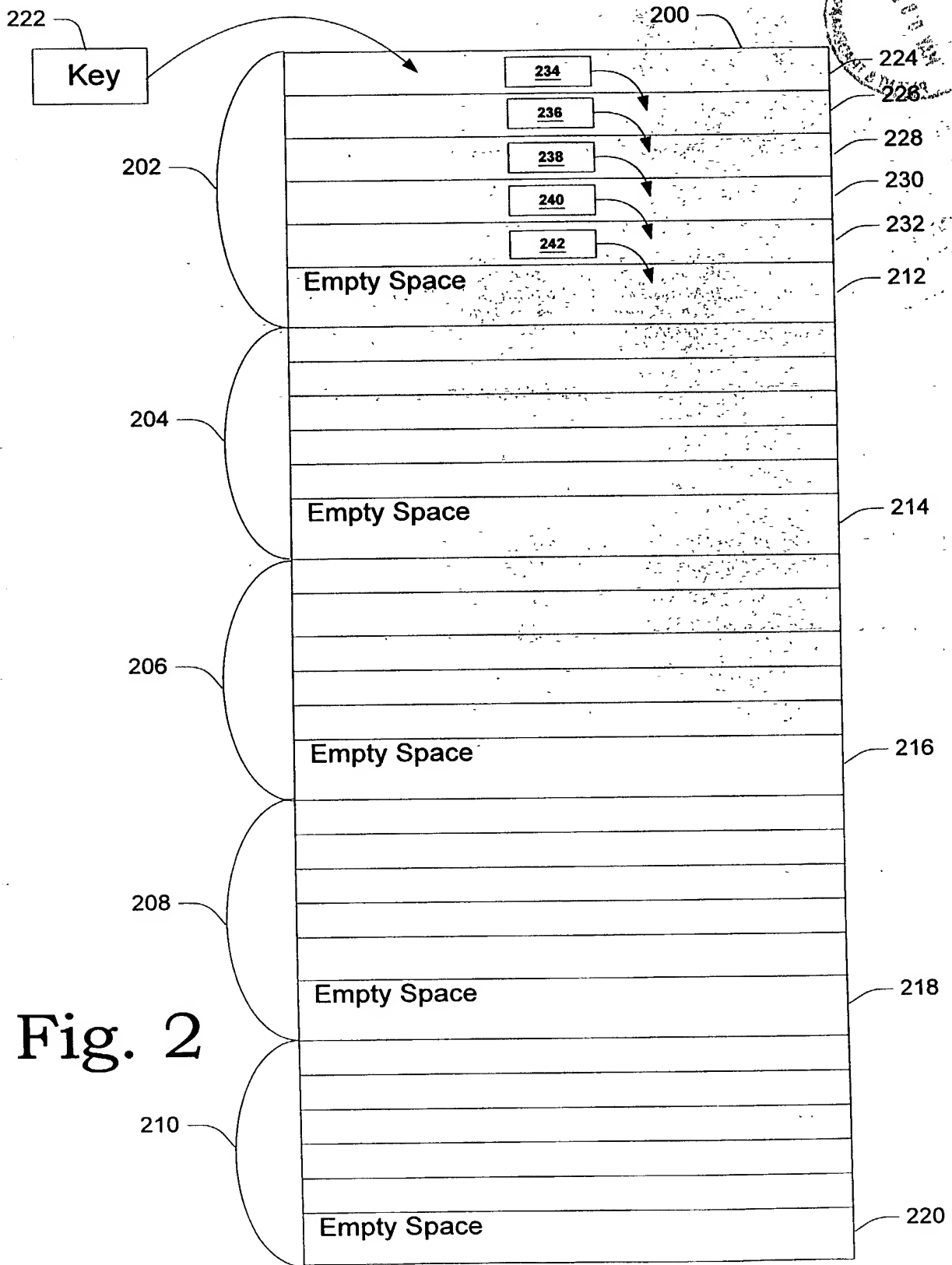


Fig. 2

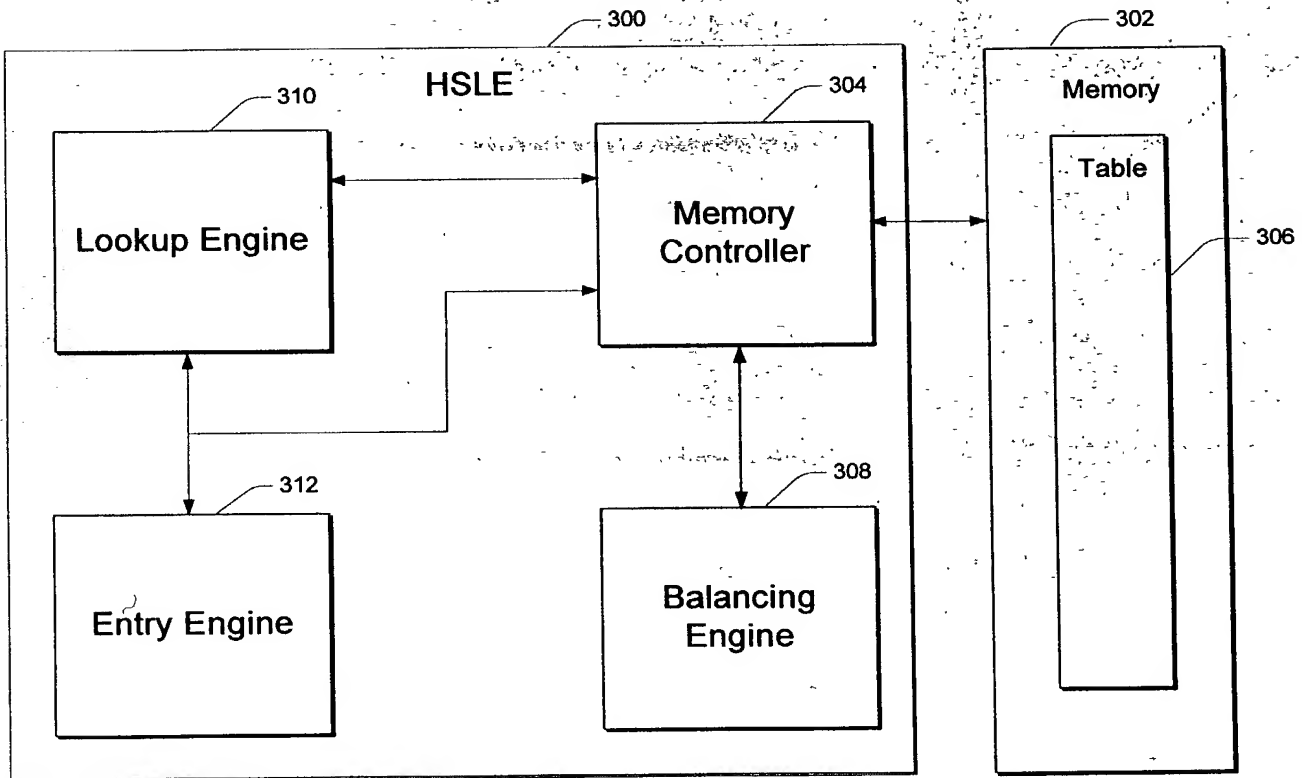
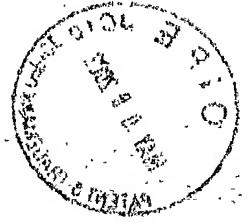
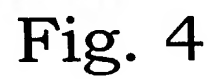


Fig. 3





Order of key insertion:		1st	2nd	3rd	4 th	5th	6th	7th	8 th
518 Section #1	528		50	50	50	50	50	50	50
							60	60	60
520 #2	526	100	100	100	75	75	75	75	75
					100	100	100	100	80
									100
522 #3	530			150	150	110	110	110	100
						150	150	150	150
524 #4								200	200

Fig. 5

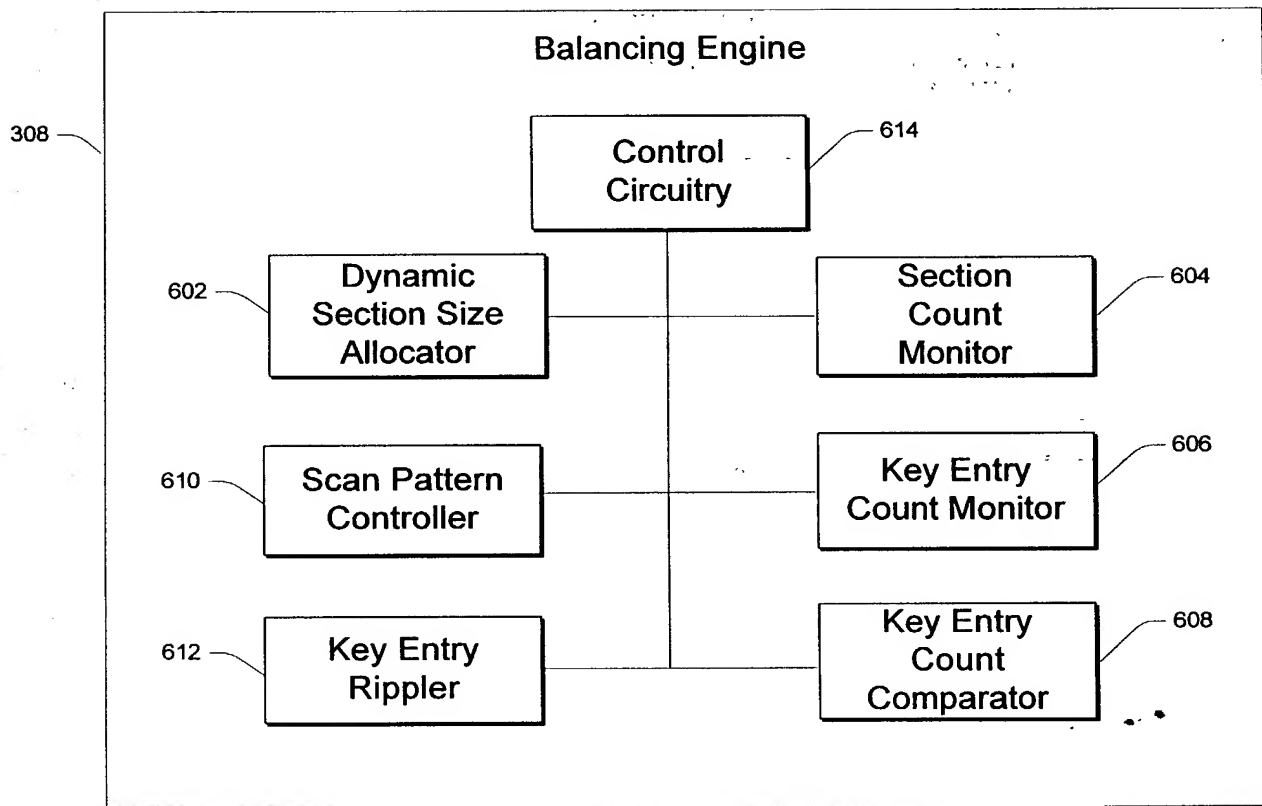


Fig. 6

718 720 722 724 726 728 730

Sec. No.	Loc. No.	Operations of moving entries from section to section						Final
		1 st	2 nd	3 rd	4 th	5 th	6 th	
1	1							
	2							
	3							
	4						A 732	A
	5						B 734	B
	6						C 735	C
	7						D 737	D
	8						E 746	E
2	1						F 756	F
	2							
	3							
	4							
	5							
	6							
	7							
	8							
3	1	A						
	2	B						
	3	C 735	C	C	I 742	I	I	I
	4	D	D	D	J 744	J	J	J
	5	E	E	E	K 745	K	K	K
	6	F	F	F	L 747	L	L	L
	7	G	G	G	M 748	M	M	M
	8	H	H	H	N 749	N	N	N
4	1	I	I	I				
	2	J	J	J				
	3	K	K	K 745	K 745	K	Q 752	Q
	4	L	L	L	L	L	R 754	R
	5	M	M	M	M	M	S	S
	6	N	N	N	N	N	T	T
	7	O	O	O	O	O	U	U
	8	P	P	P	P	P	V	V
5	1	Q	Q	Q	Q	Q	W	W
	2	R	R	R	R	R	X	X
	3	S	S	S	S	S	Y	Y
	4	T	T	T	T	T	Z	Z
	5	U	U	U	U	U	AA	AA
	6	V	V	V	V	V	BB	BB
	7	W	W	W	W	W	CC	CC
	8	X	X	X	X	X	DD	DD
6	1	Y	Y	Y	Y	Y	EE	EE
	2	Z	Z	Z	Z	Z	FF	FF
	3	AA	AA	AA	AA	AA	GG	GG
	4	BB	BB	BB	BB	BB	HH	HH
	5	CC	CC	CC	CC	CC	II	II
	6	DD	DD	DD	DD	DD	JJ	JJ
	7	EE	EE	EE	EE	EE	KK	KK
	8	FF	FF	FF	FF	FF	LL	LL
7	1	GG	GG	GG	GG	GG	MM 748	MM 748
	2	HH	HH	HH	HH	HH	NN 749	NN 749
	3	II	II	II	II	II	OO 740	OO 740
	4	JJ	JJ	JJ	JJ	JJ	PP	PP
	5	KK	KK	KK	KK	KK	QQ	QQ
	6	LL	LL	LL	LL	LL	RR	RR
	7	MM	MM	MM	MM	MM	SS	SS
	8	NN	NN	NN	NN	NN	TT	TT
8	1	OO	OO 740	OO	OO	OO	UU 736	UU 736
	2	PP	PP	PP	PP	PP	VV 738	VV 738
	3	QQ	QQ	QQ	QQ	QQ	SS 751	SS 751
	4	RR	RR	RR	RR	RR	TT 753	TT 753
	5	SS	SS	SS	SS	SS	UU 736	UU 736
	6	TT	TT	TT	TT	TT	VV 738	VV 738
	7	UU	UU	UU	UU	UU	QQ 768	QQ 768
	8	VV	VV	VV	VV	VV	RR 770	RR 770
9	1							
	2							
	3							
	4							
	5							
	6							
	7							
	8							

FIG. 7



Distribute data entries in a table arranged in an ascending/descending order to provide periodic empty data entry spaces.

802

Change a data entry.

802

Redistribute data entries in a part of the table where the data entry was changed without redistributing all the data entries in the table.

804

Fig. 8

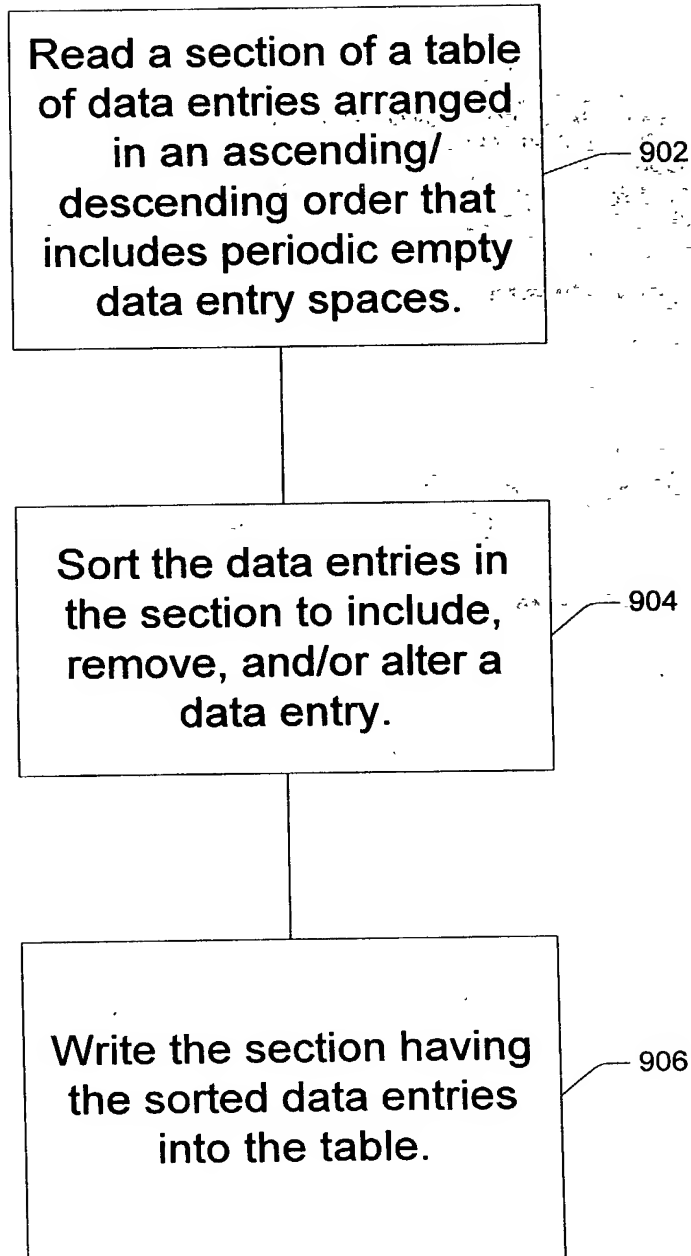


Fig. 9

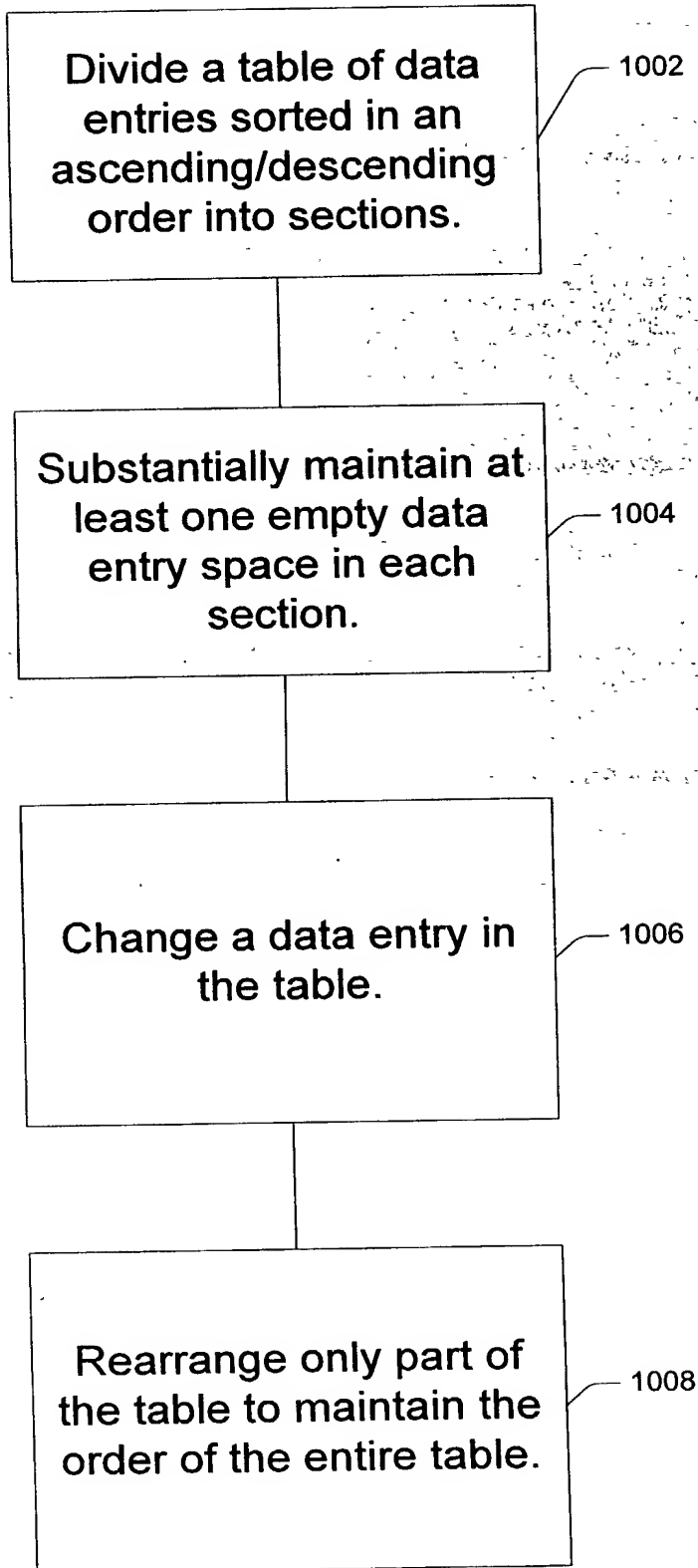
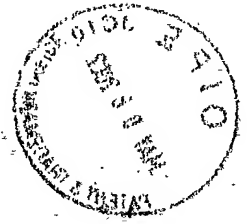
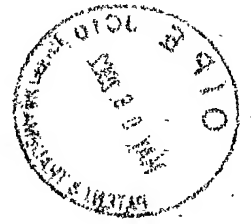


Fig. 10



1100 →

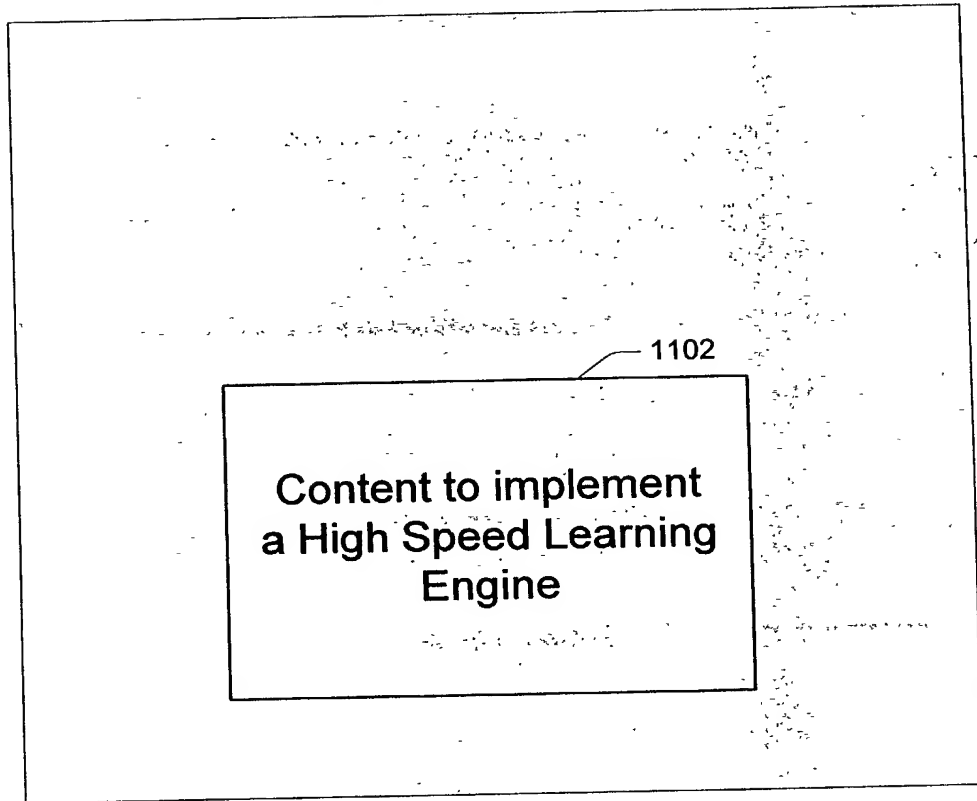


Fig. 11